

Lake District National Park

Forecast valid from 00:00 on Thursday 19 Dec 2024 until 23:59 on Friday 20 Dec 2024

Forecast Issued on Wednesday 18 Dec 2024 at 16:51

Confidence: High for changeable, occasionally unsettled fare, but lowering from Friday for the transitional detail as fronts and troughs cross from the east.

Headline for Thursday 19 Dec 2024: Mainly dry and bright. Feeling cold in brisk northwest summit winds.

Mountain weather hazards on Thursday 19 Dec 2024

Blizzards No Likelihood	Heavy persistent snow No Likelihood	Storm force winds No Likelihood
Gales Low Likelihood	Severe chill effect Medium Likelihood	Poor visibility No Likelihood
Thunderstorms No Likelihood	Heavy persistent rain No Likelihood	Strong sunlight No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
<05%	<05%	<05%	<05%	<05%	<05%	<05%	<05%

Forecast for Thursday 19 Dec 2024

Weather: A dry day for most with only a few light isolated showers expected, these largely confined to western areas of the park. Good periods of weak winter sunshine, but feeling cold in the brisk winds.

Chance of cloud-free hill tops above 800m: 80-90%

Low cloud and visibility: Good or very good becoming moderate or poor in showers, very poor within cloud with bases infrequently lowering to 700m

Forecast for Thursday 19 Dec 2024

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	25/30 NW	31/37 NW	32/39 NW	36/43 NW	35/44 NW	37/45 NW	31/38 NW	26/31 W	26/32 W
600	17/22 NW	22/29 NW	23/30 NW	24/32 NW	24/33 NW	26/36 NW	20/30 NW	20/29 W	20/27 W
300	7/20 NW	9/25 NW	9/26 NW	9/26 NW	10/29 NW	10/32 NW	7/26 NW	6/22 W	7/22 W
Valley	7/20 NW	9/25 NW	9/26 NW	9/26 NW	8/26 NW	9/29 NW	8/26 NW	6/21 W	7/21 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-1/-9	-2/-11	-3/-12	-3/-13	-3/-12	-2/-12	-2/-11	-2/-10	-1/-9
600	1/-5	0/-7	-1/-8	-1/-9	-0/-8	0/-7	-0/-7	-0/-7	1/-6
300	4/1	3/-1	2/-2	2/-2	3/-1	3/-1	2/-2	2/-1	3/0
Valley	6/4	5/2	4/1	4/0	5/2	5/2	5/2	4/2	6/4
Freezing Level*	700m	600m	500m	400m	500m	500m	500m	500m	800m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Nothing to add

Forecast for Friday 20 Dec 2024

Weather: A mainly dry start, but an area of rain and summit sleet extends from the west late morning, before clearing eastwards during the afternoon, leaving only a few light isolated showers thereafter.

Maximum wind: West to southwest mean 30-40mph with gust 50mph plus across more exposed ridges and summits.

Chance of cloud-free hill tops above 800m: lowering 20% by late morning, lifting 75% late afternoon

Low cloud and visibility: Good or very good becoming moderate or poor in rain, very poor in snow and within cloud with bases becoming quite extensive from 600m by late morning, before lifting and breaking late afternoon

Temperature: **Valleys:** Plus 2 Celsius increasing 9 Celsius during the afternoon
 At 800m: Plus 2-3 Celsius
 Freezing level: 900-1000m

Ground Conditions Supplement

Date: Wednesday 18 December 2024. Location: Helvellyn summit at 12:00 UTC. Full report: Sodden ground and swollen streams were the norm today. There is no snow and ice conditions across the Lake District with Wednesday's freezing level above the summits. Care was needed to cross streams as stepping-boulders had shifted and loosened. Despite the absence of freezing conditions, snow or ice, the wind chill maintains a very cold feel. With fluctuating temperatures from the beginning of December the wind chill has remained in negative figures throughout the period requiring full winter clothing; a waterproof coat with hood, waterproof overtrousers, warm layers, a hat and gloves at least. Some sun may appear on the fells tomorrow but will still be accompanied by a biting wind and driven snow flurries. Be prepared for winter conditions to return. Temperature: plus 3.6 C, Maximum wind speed 36.9 mph, Wind chill: minus 2.7 C, Average wind speed: 25.9 mph

Issued at: 1651 on Wed 18 Dec 2024